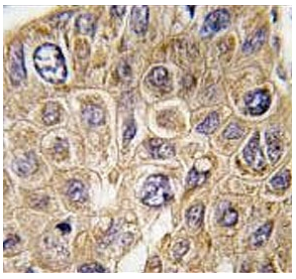
Squalene synthase Antibody / SQS / FDFT1 (F54769)

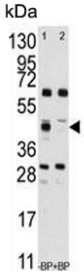
Catalog No.	Formulation	Size
F54769-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54769-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

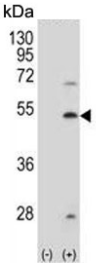
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P37268
Localization	Cytoplasmic
Applications	Western blot: 1:500-1:1000 Immunohistochemistry (FFPE): 1:50-1:100
Limitations	This Squalene synthase antibody is available for research use only.



IHC testing of FFPE human hepatocellular carcinoma tissue with Squalene synthase antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human A375 in the absence (left) and presence (right) of immunizing peptide using Squalene synthase antibody. Predicted molecular weight ~48 kDa.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with Squalene synthase antibody.

Description

FDFT1 / Squalene synthase catalyzes the first step in the cholesterol biosynthetic pathway, the conversion of trans-farnesyldiphosphate to squalene. The loss of promoter activity and response to sterols for FDFT1 is localized to a 69-bp section positioned 131 bp 5-prime to the transcription start site. Sequence analysis of this region shows that it contains a sterol regulatory element-1 (SRE1) previously identified in other sterol regulated genes and 2 putative NF1 binding sites.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Squalene synthase antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 140-170 from the human protein was used as the immunogen for the Squalene synthase antibody.

Storage

Aliquot the Squalene synthase antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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